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Web and Information Technologies

4th International Conference on Web and Information Technologies
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Proceedings

Preface

Welcome to the fourth edition of the International Conference on Web and Information technologies, ICWIT 2012. This year the ICWIT conference continued the tradition that has evolved from the inaugural conference held in 2008 in Sidi Bel-Abbes and since then has made its journey around the Maghreb: 2009 Sfax (Tunisia) and 2010 Marrakech (Morocco).

This year we were happy to hold the event in Sidi Bel-Abbes, a city of 300,000 inhabitants in western Algeria. Sidi Bel-Abbes's geographical location has predestined the city to be a significant scientific, cultural and economic center with more than just regional influence.

The ICWIT 2012 Conference provided a forum for research community and industry practitioners to present their latest findings in theoretical foundations current methodologies and practical experiences. ICWIT 2012 will focus on new research directions and emerging applications in Web and Information Technologies. The submitted contributions address challenging issues of Web Technologies, Web Security, Information Systems, Ontology Engineering and Wireless Communications.

The 136 papers submitted for consideration for publication originated from 7 countries from all over the world: Algeria, Brazil, Belgium, France, Morocco Saudi Arabia, and Tunisia. After a thorough reviewing process, 30 papers were selected for presentation as full papers – the acceptance rate was 22%. In addition 15 papers were selected for presentation as posters, yielding an overall acceptance rate of 33%. The papers published in these proceedings are included in CEUR-WS.org Workshop Proceedings service and indexed by DBLP. Best Papers will be recommended for publication in special issues of journals like: International Journal of Information Technology and Web Engineering (IJITWE), International Journal of Metadata, Semantics and Ontologies (IJMSO) and International Journal of Reasoning-based Intelligent Systems (IJRIS).

We believe that this volume provides an interesting and up-to-date picture of what are the last trends and new ideas fermenting right now in the Web and information technologies community. Some of the papers included in this volume unveil unexpected, novel aspects and synergies that we think will be taken up in the future and may become main-stream research lines.

This conference was made possible through the efforts of many people. We wish to thank everyone involved, including those who worked diligently behind the scenes and without formal recognition. First, we would like to thank the ICWIT Steering Committee for selecting the Djillali liabes University of Sidi Bel-Abbes to hold ICWIT 2012 conference. Great thanks to Conference Honorary President Abdenacer Tou, head of Djillali liabes University, for all his encouragement and financial support to make sure the success of this conference.

Without enthusiastic and committed authors this volume would not have been possible. Thus, our thanks go to the researchers, practitioners, and PhD students who contributed to this volume with their work. We would like to thank the Program Committee members and reviewers, for a very rigorous and outstanding reviewing process. Our thanks should also reach the Organizing Committee of the conference, for their dedication and hard work in coordinating the organization of a wide array of interesting papers presentation, tutorials, posters and panels that completed the program of the conference, and providing an excellent service in all administrative and logistic issues related to the organization of the event

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We wish to thank Aris M. Ouksel (University of Illinois at Chicago, USA), and Mourad Ouzzani (QCRI Doha, Qatar), for graciously accepting our invitations to serve as keynote speakers.

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